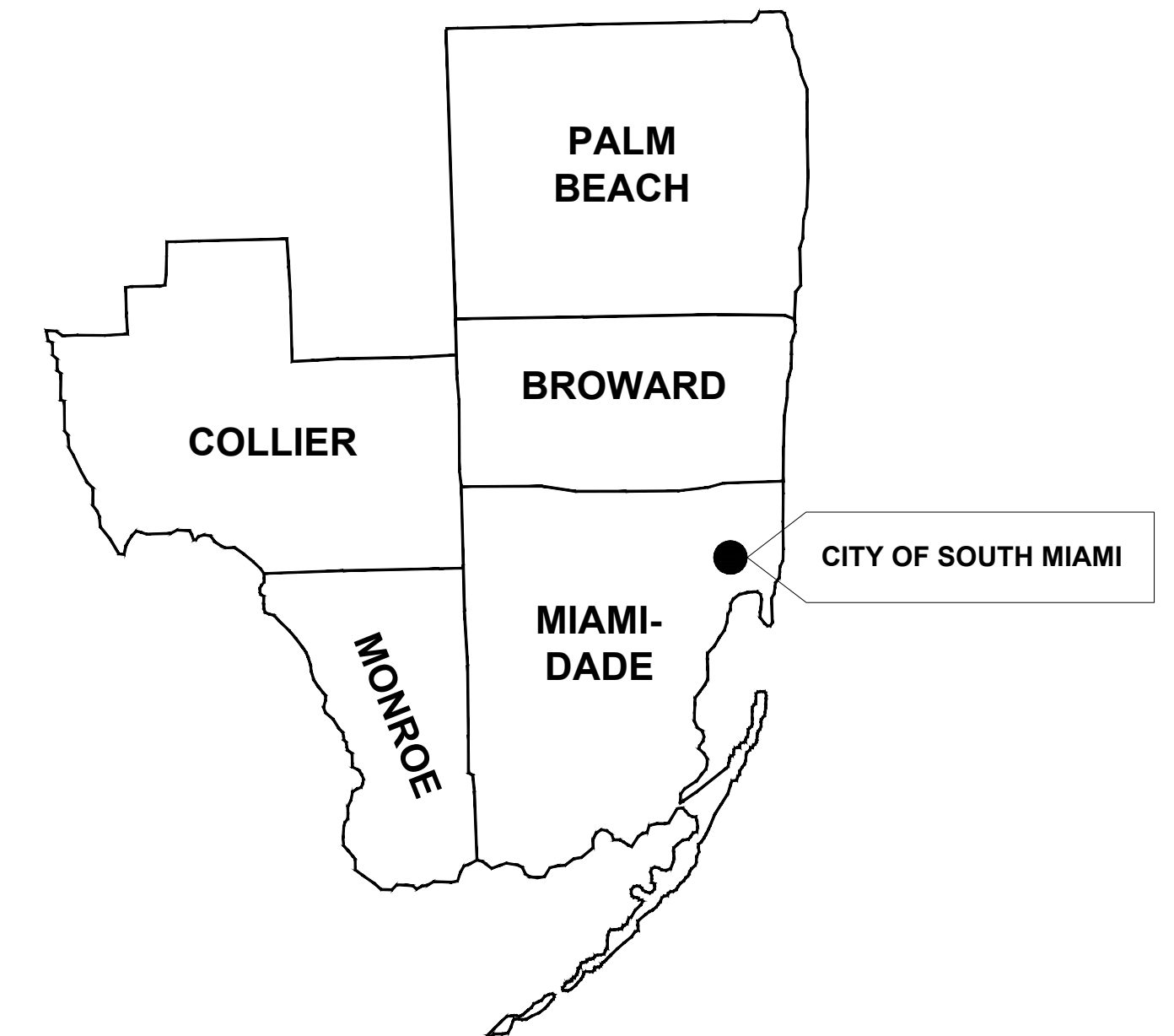


DORN AVE (SW 59 AVE) DRAINAGE IMPROVEMENTS FROM SW 73 ST TO SW 72 ST

A detailed street map of a residential neighborhood. The map shows a grid of streets. A diagonal street, S DIWICHY, runs from the top left towards the bottom right. Other streets include SW 70TH ST, SW 71ST ST, SW 72ND ST, SW 73RD ST, SW 74TH ST, SW 74TH TE, SW 76TH ST, SW 77TH ST, SW 78TH ST, SW 79TH ST, SW 80TH ST, SW 81ST ST, SW 82ND ST, SW 83RD ST, SW 84TH ST, SW 85TH ST, SW 86TH ST, SW 87TH ST, SW 88TH ST, SW 89TH ST, SW 90TH ST, SW 91ST ST, SW 92ND ST, SW 93RD ST, SW 94TH ST, SW 95TH ST, SW 96TH ST, SW 97TH ST, SW 98TH ST, SW 99TH ST, SW 100TH ST. A specific location is marked with a hatched rectangle and labeled 'PROJECT LOCATION' with a leader line. This location is situated between SW 73RD ST and SW 74TH ST, and between SW 74TH TE and SW 75TH TE. Other streets shown include MADRU, VENERA AV, SAN REMO AV, SAN IGNACIO AV, SW 57TH AV, SW 58TH AV, SW 59TH PL, and SW 59TH AV. The map also shows various building footprints and lot lines.

Vicinity Map

MAYOR
VICE MAYOR:
COMMISSIONERS:

PHILIP K. STODDARD, PHD
JOSH LIEBMAN
BOB WELSH
VALERIE NEWMAN
WALTER A. HARRIS
STEVE ALEXANDER

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MIAMI, FL 33126
(305) 265-5400

MUST BE ON JOB SITE AT ALL TIMES
DURING CONSTRUCTION.

INSPECTIONS REQUIRED
24 HOURS PRIOR TO COMMENCING
WORK IN PUBLIC RIGHT OF WAY
CONTACT APPLICABLE RIGHT OF WAY
JURISDICTION FOR INSPECTION.

IS PARAMOUNT FOR ALL
CONSTRUCTION ACTIVITIES.
APPLICABLE JURISDICTIONAL
SAFETY REQUIREMENTS MUST
BE ADHERED TO ALWAYS.

APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM JURISDICTIONAL AUTHORITIES.

DATE.

L:\Project\BProject\13021-SDOI-01\csh\C-GEN NOTES.dwg [GENERAL NOTES] Sep 05, 2013 5:46pm ERODRIGUEZ

1. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT MUST BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE FLORIDA ADMINISTRATIVE CODE 62-555 & 62-610, THE CITY OF SOUTH MIAMI'S PUBLIC WORKS & ENGINEERING DEPARTMENT, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) & THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS, CRITERIA & REGULATIONS. ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY & ENGINEER OF RECORD.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH PROJECT SITE & TO DETERMINE TOPOGRAPHIC OR UNDERGROUND FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION. THE CONTRACTOR MUST INCLUDE IN HIS BID PRICE, THE COST OF RELOCATING OR REPLACING IN KIND ANY FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO EXISTING TREES, UTILITY BOXES, SIGNS, FIRE HYDRANTS, GUARDRAILS, UTILITY POLES, VALVES, ETC. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED BY THE CITY IN THE EVENT THE CONTRACTOR NEGLECTS TO ACCOUNT FOR THIS WORK IN HIS/HER BID PRICE.
3. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, & UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLANS. ANY EXISTING STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING UTILITIES NOT SPECIFIED FOR REMOVAL WHICH IS DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE CITY.
4. THE LOCATION & SIZE OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS &/OR BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER & THE CITY. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT & NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF/HERSELF WITH CURRENT SITE CONDITIONS & SHALL REPORT ANY DISCREPANCIES TO THE CITY & ENGINEER (EOR) PRIOR TO STARTING WORK.
6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE ADEQUATE MEASURES TO ENSURE SAFETY WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL, TELEPHONE & OTHER LINES. PROPER COORDINATION WITH JURISDICTIONAL AUTHORITIES MUST BE UNDERTAKEN AS APPLICABLE.
7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES OPEN, UNCOVERED OR EXPOSED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES WHEN THE CONTRACTOR IS NOT WORKING.
8. THE CONTRACTOR SHALL KEEP THE SITE REASONABLY FREE FROM DEBRIS, TRASH, & CONSTRUCTION WASTE. BUILDING MATERIAL &/OR CONSTRUCTION DEBRIS STORED ADJACENT TO OR UPON THE ROADWAY SHALL BE ADEQUATELY MARKED AT ALL TIMES FOR PEDESTRIAN & TRAFFIC SAFETY.
9. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL 811 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION/DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES.
10. CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS &/OR APPROVALS PRIOR TO THE START OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO AN NPDES NOI PERMIT & ANY OTHER PERMIT ASSOCIATED WITH SUCH PERMIT.
11. ANY DEWATERING OPERATIONS REQUIRED FOR CONSTRUCTION MUST BE APPROVED &/OR PERMITTED BY RER.
12. ALL LANDSCAPED/OPEN AREAS, SIDEWALKS, PAVEMENTS & OTHER AREAS IMPACTED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER.
13. IN THE EVENT CONTAMINATED MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE CITY, E.O.R & RER.
14. ANY MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
15. THE CONTRACTOR SHALL PREPARE & SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATIONS.
16. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE & FLUSH WITH EXISTING PAVEMENT.
17. THE CONTRACTOR MUST INCLUDE AS PART OF HIS BID THE COST OF RESTORING A FULL LANE OR LANES OF ROADWAY THAT ARE AFFECTED BY CONSTRUCTION. THIS SHOULD INCLUDE ALL TRENCH RESTORATION & RESURFACING AS TO ENSURE THAT THE ROADWAY IS FULLY RESTORED TO EQUAL OR BETTER CONDITION.
18. ALL ELEVATIONS ON THE PLAN & PROFILE SHEETS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. BENCHMARKS USED ARE THOSE IDENTIFIED ON THE TOPOGRAPHIC BOUNDARY SURVEY.
19. THE TOPOGRAPHY SURVEY WAS PREPARED BY LONGITUDE SURVEYORS LLC; EDUARDO M. SUAREZ, PSM (LS 6313) DATED AUGUST 30, 2013.
20. SURVEY MONUMENTS WITHIN THE LIMITS OF THE PROJECT ARE TO BE PROTECTED.
21. THE CONTRACTOR MUST COMPLY WITH ALL HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS AS STATED IN THE FLORIDA ADMINISTRATIVE CODE (F.A.C.) RULE 62-555.314.
22. THE CONTRACTOR MUST ENSURE THAT PRECISE RECORDS ARE TAKEN PRIOR TO BACKFILLING OVER UTILITIES. AS-BUILTS MUST CONFORM TO APPLICABLE STANDARDS & REQUIREMENTS STIPULATED BY THE CITY.

MAINTENANCE OF TRAFFIC

23. THE CONTRACTOR MUST PRODUCE HIS/HER OWN MOT PLANS & MUST HAVE SAID PLANS APPROVED BY CITY. THE PLAN MUST CONFORM TO THE REQUIREMENTS OF THE LATEST EDITIONS OF THE FLORIDA D.O.T. DESIGN STANDARDS, THE SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION & THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE COST ASSOCIATED WITH THIS EFFORT MUST BE REFLECTED IN THE BID. NO ADDITIONAL COMPENSATION WILL BE GRANTED BY THE CITY FOR MOT COSTS ASSOCIATED WITH THIS PROJECT AFTER PROJECT AWARD. MOT PLANS SHALL INCLUDE BUT NOT LIMITED TO MESSAGE BOARDS TO INFORM DRIVERS OF CONSTRUCTION ON ROADWAY, ADDRESSING SCHOOL ZONES & MAINTAINING CROSSING ACCESS, ETC.
24. THE CONTRACTOR SHALL SUBMIT THE MAINTENANCE OF TRAFFIC PLAN (MOT) TO THE CITY FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION. THE CONDITIONS OUTLINED IN THE MOT ARE ENFORCED & FULLY EFFECTIVE AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH ALL THE REQUIREMENTS OF THE APPROVED MOT.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE POLICE, FIRE DEPARTMENT & ALL OTHER AGENCIES OF THE PROPOSED LANE CLOSURES OR TEMPORARY DETOURS.
26. THE TRAFFIC & TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR & MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
27. THE CONTRACTOR SHALL REMOVE OR COVER ANY EXISTING OR PAVEMENT MARKINGS WHICH CONFLICT WITH THE TRAFFIC CONTROL WORK ZONE. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS OR PAVEMENT MARKINGS TO THEIR ORIGINAL AND NEW CONDITION. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY ANY METHOD THAT WILL NOT MATERIALLY DAMAGE THE SURFACE TEXTURE OF THE PAVEMENT & WHICH WILL ELIMINATE THE PREVIOUS MARKING PATTERN OF WEATHER AND LIGHT CONDITIONS. USE OF BLACK PAINT TO COVER EXISTING PAVEMENT MARKINGS SHALL BE PROHIBITED.
28. ADDITIONAL BARRICADES, SIGNING, LIGHTING, OR OTHER TRAFFIC CONTROLS, AS REQUIRED BY STATE AND LOCAL JURISDICTION STANDARDS, SHALL BE PROVIDED AS CONDITIONS WARRANT.
29. PROPOSED CONSTRUCTION WORK MUST BE PROPERLY COORDINATED TO ENSURE THAT THERE ARE NO ADVERSE IMPACTS TO SURROUNDING TRAFFIC OPERATIONS AND ACCESS.
30. CONTRACTOR SHALL INSTALL CONSTRUCTION SIGNS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MAINTAIN THEM DURING ALL PHASES OF CONSTRUCTION.

PRE-TRENCHING

31. UTILITIES SHOWN ON THESE PLANS SHEETS ARE APPROXIMATE & ADDITIONAL UTILITIES MAY EXIST IN THE FIELD THAT IS NOT SHOWN ON THE PLANS. THE CONTRACTOR MUST INCLUDE AS PART OF HIS/HER BID, AN ITEM FOR PRE-TRENCHING TO ENSURE THAT NO PORTION OF THE PROPOSED WORK CONFLICTS WITH ANY UTILITIES, PRIOR TO CONSTRUCTION. IF POTENTIAL CONFLICTS ARE FOUND, THEN THE CONTRACTOR MUST NOTIFY THE OWNER, ENGINEER & UTILITY OWNER AT LEAST SEVEN (7) DAYS ADVANCED NOTICE PRIOR TO CONSTRUCTION. THIS NOTIFICATION SHALL INCLUDE SURVEY INFORMATION ABOUT THE CONFLICTING UTILITY'S HORIZONTAL & VERTICAL ALIGNMENT. FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH PRIOR TO CONSTRUCTION IS AT HIS/HER OWN RISK & BY SO DOING RELIEVES THE CITY & THE ENGINEER OF ANY & ALL LIABILITIES & COSTS ASSOCIATED WITH RESOLVING UTILITY CONFLICTS. IN ADDITION, NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR ANY COSTS INCURRED AS A RESULT OF FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH.
32. EXTREME CAUTION MUST BE USED DURING ANY EXCAVATION. ALL EXCAVATIONS MUST BE SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED.
33. CONTRACTOR MUST UTILIZE SUBSURFACE UTILITY ENGINEERING METHODS & CORING TO DISCLOSE THE PRESENCE OF ROCK, UTILITIES & OTHER SUBSURFACE ELEMENTS NOT INDICATED ON TOPOGRAPHY SURVEY.
34. CONTRACTOR MUST ENGAGE IN CONSULTATIONS WITH IDENTIFIED UTILITY OWNERS.
35. PRE-TRENCHING DIRECTIONS TO CONTRACTOR:

A. CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE PRESSURE OF THE SOIL.

B. CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE STRESS WHICH MAY BE EXERTED BY WATER, VIBRATION, OR HEAVY LOADS.

C. CONTRACTOR MUST PROPERLY SUPPORT ANY UNDERGROUND INSTALLATIONS THAT ARE UNCOVERED.

D. CONFORM TO FLORIDA'S TRENCH SAFETY ACT & OSHA REQUIREMENTS.
36. BEFORE TRENCHING OR EXCAVATION, CONTRACTOR MUST CHECK THE FOLLOWING:

A. SOIL CONDITIONS OR OTHER MATERIAL TO BE DUE.

B. PROXIMITY TO UTILITIES, BUILDINGS & SOURCES OF VIBRATIONS.

C. OWNERS OF UTILITIES, SERVICE, OR TRANSMISSION PIPING, ETC. & ARRANGE FOR SHUTDOWN OR RELOCATION OF FACILITIES, IF NECESSARY.

D. FOR PREVIOUSLY DISTRIBUTED GROUND.

E. FOR TREES, BOULDERS, OR OTHER HAZARDS.

F. ADEQUACY & AVAILABILITY OF ALL EQUIPMENT, INCLUDING PERSONAL PROTECTIVE GEAR, SHORING MATERIALS, SIGNS, BARRICADES & MACHINERY.
37. DURING TRENCHING OR EXCAVATION, CONTRACTOR MUST REGULARLY CHECK FOR THE FOLLOWING:

A. CHANGING GROUND CONDITIONS PARTICULARLY AFTER RAINFALL.

B. POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS.

C. ADEQUACY OF SHORING AND/OR SLOPING AS WORK PROGRESSES.

D. MAINTENANCE OF ENTRANCE & EXIT FACILITIES.

E. ALL SHEETING, BRACING, SHORING & UNDERPINNING.

F. CHANGES IN VEHICULAR & MACHINERY OPERATIONAL PATTERNS

38. AFTER TRENCHING OR EXCAVATION, THE CONTRACTOR MUST CHECK FOR:

Q. DEPTH OF TRENCHING OR EXCAVATION, ITS SLOPING & SHORING.

A. SLOPING OF BANKS, SIDES & WALLS IN RELATION TO DEPTH OF CUT, WATER CONTENT OF SOIL, VIBRATIONS.

B. ENTRANCE & EXIT FACILITIES.

C. LOCATION OF HEAVY EQUIPMENT - POWER SHOVELS, DERRICK, TRUCKS.

D. EXCAVATION MATERIAL IS TWO FEET OR MORE FROM EDGE OF OPENING.

E. PORTABLE TRENCH BOXES OR TRENCH SHIELDS ARE ADEQUATE, IF USED.

F. CROSS BRACES OR TRENCH JACKS ARE CORRECTLY POSITIONED TO PREVENT SLIDING, FALLING OR KICKOUTS.
39. PRE-TRENCHING REQUIREMENTS CHECKLIST:

A. PRIOR TO EXCAVATION, THE CONTRACTOR MUST UNDERTAKE EFFORTS TO DETERMINE UNDERGROUND INSTALLATIONS SUCH AS SEWER, TELEPHONE, WATER, GAS, ELECTRIC LINES; ETC. ARE PRESENT & WHERE THEY ARE ACTUALLY LOCATED.

B. THE WALLS & FACES OF ALL EXCAVATIONS IN WHICH EMPLOYEES ARE EXPOSED TO DANGER FROM MOVING GROUND SHALL BE GUARDED BY A SHORING SYSTEM, SLOPING OF THE GROUND OR SOME OTHER EQUIVALENT MEANS.

C. THE DETERMINATION OF THE ANGLE OF REPOSE & DESIGN OF THE SUPPORTING SYSTEM SHALL BE BASED ON CAREFUL EVALUATION OF PERTINENT FACTORS SUCH AS: DEPTH OF CUT, POSSIBLE VARIATION IN THE WATER CONTENT OF THE MATERIALS FROM EXPOSURE TO AIR, SUN AND/OR WATER.

D. ALL SLOPES SHALL BE EXCAVATED TO AT LEAST THE ANGLE OF REPOSE EXCEPT IN AREAS WHERE SOLID ROCK ALLOWS FOR LINE DRILLING OR PRESPLITTING.

E. IN EXCAVATIONS WHICH EMPLOYEES MAY BE REQUIRED TO ENTER, EXCAVATED OR OTHER MATERIALS SHALL BE EFFECTIVELY STORED & RETAINED AT LEAST 2 FT OR MORE FROM THE EDGE OF THE EXCAVATION.

APPLICABLE CODES & STANDARD SPECIFICATIONS

1. CITY OF SOUTH MIAMI PUBLIC WORKS & ENGINEERING DEPARTMENT.
2. MIAMI-DADE PUBLIC WORKS DEPARTMENT (MDPWD)
3. MIAMI-DADE DEPARTMENT OF REGULATORY & ECONOMIC RESOURCES (RER).
4. FLORIDA ADMINISTRATIVE CODE (FAC).
5. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) 2014 EDITION.
6. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
7. AMERICANS WITH DISABILITIES ACT & ACCESSIBILITY GUIDELINES (ADA).
8. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).

ABBREVIATIONS

ABD	ABANDONED	LP	LIGHT POLE
AC	ASBESTOS CEMENT	LT	LEFT
ADA	AMERICAN WITH DISABILITIES ACT	MAX	MAXIMUM
ADJ	ADJUST	MHW	MEAN HIGH WATER
APPROX	APPROXIMATELY	MIN	MINIMUM
ASPH	ASPHALT	MISC	MISCELLANEOUS
AVE	AVENUE	MOT	MAINTENANCE OF TRAFFIC
BE	BURIED ELECTRIC	MPH	MILES PER HOUR
BLDG	BUILDING	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
BLVD	BOULEVARD	N	NORTH
BM	BENCH MARK	NAVD	NATIONAL AMERICAN VERTICAL DATUM
BOS	BACK OF SIDEWALK	NGVD	NATIONAL GEODETIC VERTICAL DATUM
BOT	BOTTOM	NO	NUMBER
BT	BURIED TELEPHONE	NTS	NOT TO SCALE
C&G	CURB & GUTTER	OC	ON CENTER
C.L.F.	CHAIN LINK FENCE	OFF	OFFSET
CB	CATCH BASIN	OT	OVERHEAD TELEPHONE
CF	CUBIC FOOT	OU	OVERHEAD UTILITY
CFS	CUBIT FEET PER SECOND	PE	PROFESSIONAL ENGINEER
CI	CAST IRON	PL	PROPERTY LINE
CIP	CAST IRON PIPE	PLA	PLASTIC
CL	CENTER LINE	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PRB	POLLUTION RETARDANT BAFFLE
CO	CLEAN OUT	PROP	PROPOSED
CONC	CONCRETE	PVC	POLYVINYL CHLORIDE
CONST	CONSTRUCTION	PVMT	PAVEMENT
CY	CUBIC YARD	R	RADIUS
DBL	DOUBLE	RCP	REINFORCED CONCRETE PIPE
DEPT	DEPARTMENT	RD	ROAD
DIA	DIAMETER	REF	REFERENCE
DIP	DUCTILE IRON PIPE	REQ	REQUIRE
DRWY	DRIVEWAY	ROW, R/W	RIGHT OF WAY
DWG(S)	DRAWING(S)	RPM	RAISED REFLECTIVE PAVEMENT MARKER
E	EAST		
EA	EACH	RT	RIGHT
EL	ELEVATION	S	SOUTH
EOP	EDGE OF PAVEMENT	S/W	SIDEWALK
EOR	ENGINEER OF RECORD	SD	STORM DRAIN
EXIST	EXISTING	SP	SAMPLING POINT
F&I	FURNISH & INSTALL	SPEC	SPECIFICATION
F.A.C.	FLORIDA ADMINISTRATIVE CODE	SS	SANITARY SEWER
F.F.E.	FINISH FLOOR ELEVATION	ST	STREET
FD	FRENCH DRAIN	STA	STATION
FH	FIRE HYDRANT	STD	STANDARD
FM	FORCE MAIN	SYMB	SYMBOL
FOC	FIBER OPTICS CABLE	TAP SL	TAPPING SLEEVE
FT	FEET	TAP V	TAPPING VALVE
G	GAS	TB	TEST BORING
GALV	GALVANIZED	TERR	TERRACE
GB	GRADE BREAK	TH	TEST HOLE
GM	GAS MAIN	TOC	TOP OF CURB
GP	GRADE POINT	TOS	TOP OF SIDEWALK
GRD	GROUND	TYP	TYPICAL
GV	GATE VALVE	UG	UNDERGROUND
HC	HORIZONTAL CLEARANCE	VERT	VERTICAL
HH	HAND HOLE	VCP	VITRIFIED CLAY PIPE
HORIZ	HORIZONTAL	W	WEST
IN	INCHES	W/	WITH
INV	INVERT	W/O	WITHOUT
L	LENGTH	W/STL	WRAP STEEL
LBR	LIME ROCK BEARING RATIO	WL	WATER LINE
LF	LINEAR FOOT	WM	WATER MAIN



CITY OF SOUTH MIAMI
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MIAMI, FL 33155
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CONSULTANT:



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MIAMI, FL 33126
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CA # 7011

SUB-CONSULTANT:

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PROJECT:

DORN AVENUE
DRAINAGE
IMPROVEMENTS

LOCATION MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 6, 2013

DESIGNED BY: RD

DRAWN BY: ER

REVIEWED BY: ML

SEAL:

RODNEY C. DEVERA, P.E.
FL LICENSE No. 71384

DATE:

SHEET TITLE:

GENERAL NOTES

SHEET NO.

C-1.0

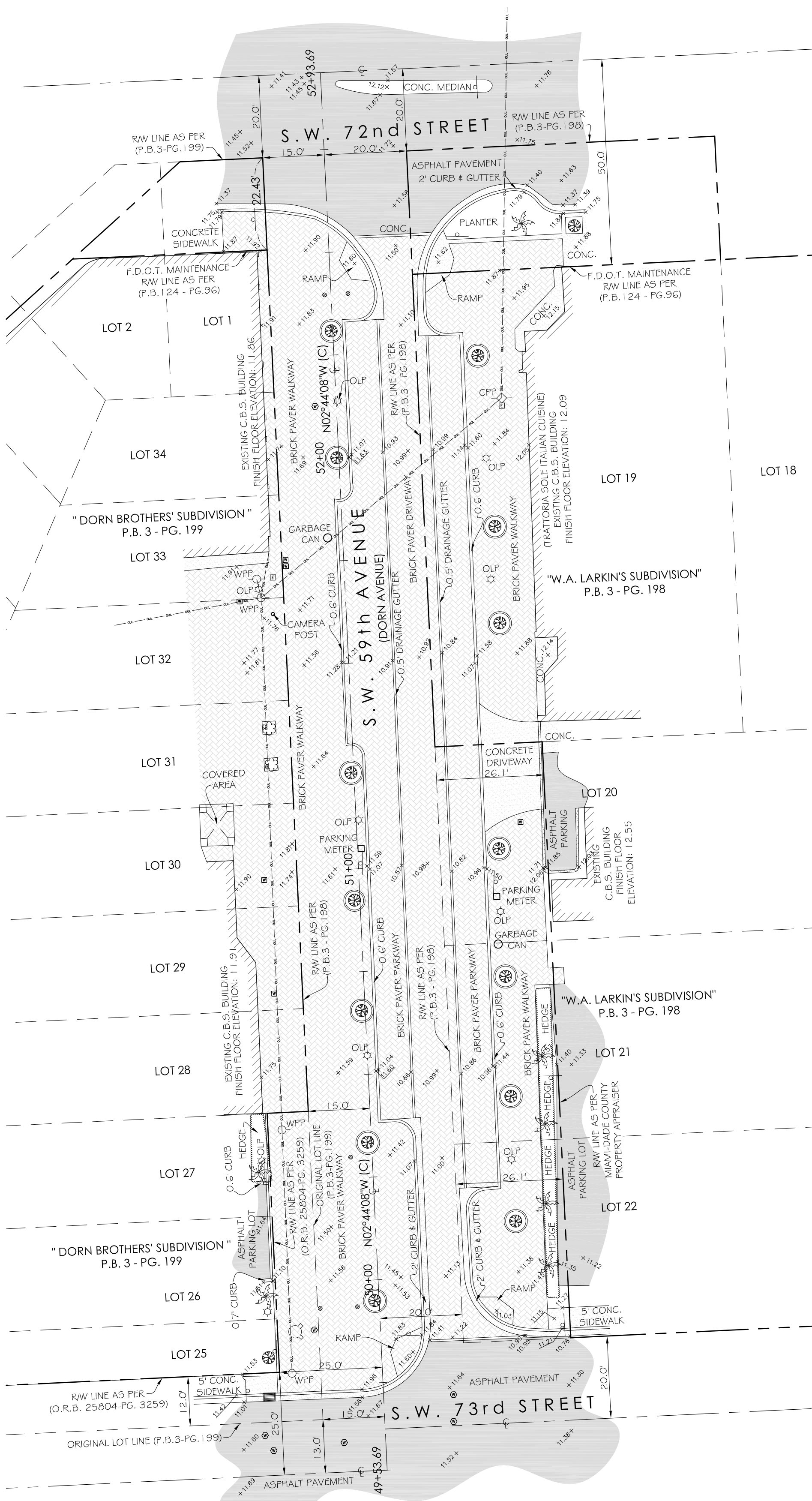
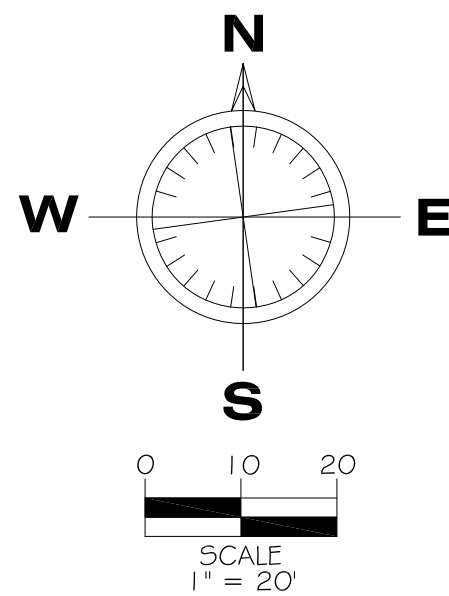
SHEET 2 OF 8

100% CONSTRUCTION DOCUMENTS

DRAWING SCALE SHOWN CORRESPONDS TO PLOT SIZE OF 24"X36". IF THIS DRAWING IS PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

MAP OF TOPOGRAPHIC SURVEY

OF A PORTION OF THE PUBLIC RIGHT-OF-WAY OF S.W. 59TH AVENUE, BETWEEN S.W. 72ND STREET (SUNSET DRIVE) AND S.W. 73RD STREET,
ALL LYING AND BEING IN THE CITY OF SOUTH MIAMI, MIAMI-DADE COUNTY, FLORIDA



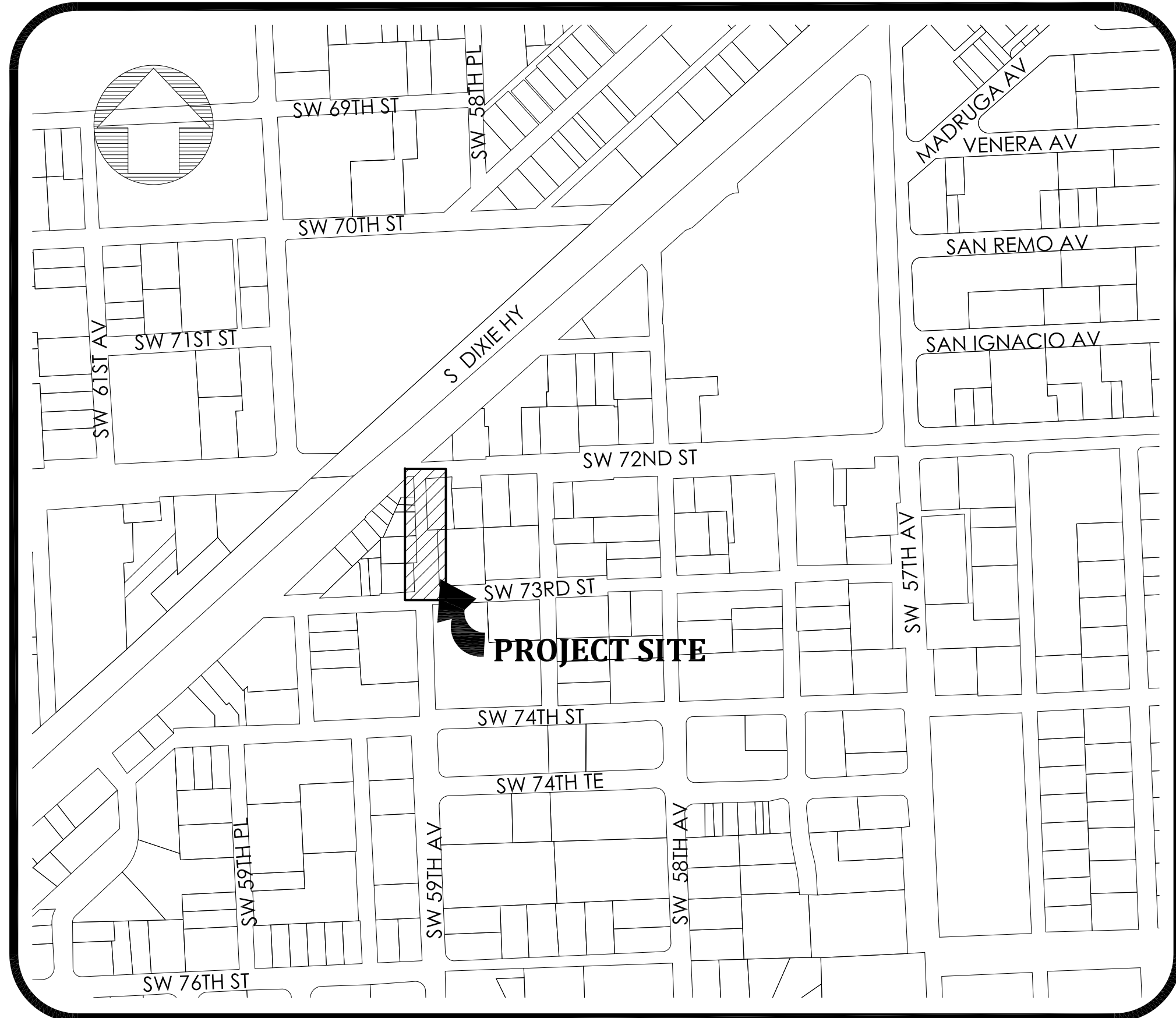
LEGEND			
CONC.	= CONCRETE	◆	= TEMPORARY SITE BENCHMARK
(C)	= CALCULATED	□	= ELECTRIC BOX
C.B.S.	= CONCRETE BLOCK STUCCO	⊗	= SANITARY SEWER MANHOLE
W.F.	= WOOD FENCE	⊕	= SIGN
CL	= CENTERLINE	✱	= PALM TREE
OLP	= ORNAMENTAL LIGHT POLE	⊙	= TREE
P.B.	= PLAT BOOK	—	= OVERHEAD WIRE
PG.	= PAGE	—	= METAL FENCE
C.L.F.	= CHAIN LINK FENCE	—	= WOODEN UTILITY POLE
—	= WOOD POWER POLE	—	= CONCRETE UTILITY POLE
—	= CHAIN LINK FENCE	—	= STORM DRAINAGE MANHOLE
—	= GUY ANCHOR	—	= BOLLARD
M.F.	= METAL FENCE	—	= ELEVATION
—	= CATCH BASIN		
—	= WATER VALVE		
—	= WATER METER		
—	= SEWER VALVE		
—	= FIRE HYDRANT		

LONGITUDE
SURVEYORS

3900 N.W. 79TH AVENUE, SUITE 601
DORAL, FLORIDA 33166
PHONE:(305)463-0912 FAX:(305)513-5680
WWW.LONGITUDESURVEYORS.COM

JOB NO.: 13308
FIELD BOOK: EFB
DRAWN BY: DR
SHEET 1 OF 1

SECTION 30 - TOWNSHIP 54 SOUTH - RANGE 40 EAST LYING IN THE CITY OF SOUTH MIAMI, MIAMI-DADE COUNTY, FLORIDA



LOCATION MAP
SCALE: 1" = 300'

SURVEYOR'S NOTES:

DATE OF FIELD SURVEY:

The date of completion of field Survey was on August 12, 2013.

The date of completion of the drawing was on August 30, 2013.

GENERAL AREA DESCRIPTION:

A portion of the following Public Right-of-Way; of S.W. 59th Avenue, between S.W. 72nd Street (Sunset Drive) and S.W. 73rd Street, all lying and being in the City of South Miami, Miami-Dade County, Florida.

ACCURACY:

The accuracy obtained by field measurement methods and office calculations of closed geometric figures meets and exceeds the Minimum Technical Standards requirement for Suburban Area (Linear: 1 foot in 7,500 feet) as defined in Rule 5J-17.051, Florida Administrative Code.

Elevations of well identified features as depicted on the Survey Map were measured to an estimated vertical position accuracy of 1/100' of a foot on hard surfaces and 1/10' of a foot on ground surfaces.

Well identified features as depicted on the Survey Map were measured to an estimated horizontal position accuracy of 1/10' of a foot.

This Map of Survey is intended to be displayed at a scale of One inch equals Twenty feet or smaller.

SOURCES OF DATA:

North arrow direction is based on an assumed Meridian.

Bearings as shown hereon are based upon the Centerline of S.W. 59th Avenue with an assumed bearing of N02°44'08"W, said line to be considered a well established and monumented line.

This property appears to be located in a Flood Zone "X" with the Base Flood Elevation being Not Determined, as per Federal Emergency Management Agency (FEMA) Community-Panel Number 120658 (City of South Miami), Map No. 0458, Suffix L, Map Revised Date: September 11, 2009.

For Vertical Control:

All elevations shown hereon are based on the National Geodetic Vertical Datum of 1929 (N.G.V.D.29), and a Benchmarks supplied by the Public Works Department of the Miami-Dade County, Florida.

Benchmark: South Miami Elevation: 13.30
Located at the Southwest corner of the intersection of S.W. 59th Avenue and S.W. 72nd Street.

For Horizontal Control:

All coordinates (Northing and Easting) are relative to the Florida State Plane Coordinates, Florida East Zone, North American Datum (NAD) 1983 adjustment of National Geodetic Survey-CORS 1996 (NAD83/CORS96). Global Positioning System (G.P.S.), measurements were conducted in the field to acquire said coordinate values which are based on the following Horizontal Control Station:

The following Horizontal Data was obtained from the Florida Permanent Network Web Site (a Florida Reference Station Service Provider, www.myfloridagps.com).

Florida Permanent Network Control Stations:

Name: MIAMI 6 (MIAM)
Code: MIAM
Geographic Coordinates:
Latitude: 25°43'57.85257" N
Longitude: 80°09'47.5065" W
State Plane Coordinates:
Northing: 509,427.49 US Feet
Easting: 931,440.11 US Feet
Creation Date: 08-02-2010
Receiver Type: TRIMBLE NETRS
Satellite System: GPS Only
Coverage Radius: 30 km

Name: MIAMI 3 (RICHMOND)
Code: RICHMOND
Geographic Coordinates:
Latitude: 25°36' 49.58922" N
Longitude: 80°23' 02.14116" W
State Plane Coordinates:
Northing: 465,790.41 US Feet
Easting: 859,175.16 US Feet
Creation Date: 08-02-2010
Receiver Type: LEICA GRX1200PRO
Satellite System: GPS Only
Coverage Radius: 30 km

SOURCES OF DATA: (CONTINUED):

Plat of "DORN BROTHERS' SUBDIVISION" recorded in Plat Book 3 at Page 199 of the Public Records of Miami-Dade County, Florida.

Plat of "W.A. LARKIN'S SUBDIVISION" recorded in Plat Book 3 at Page 198 of the Public Records of Miami-Dade County, Florida.

Florida Department of Transportation Right-of-Way Map recorded in Plat Book 124 at Page 96 of the Public Records of Miami-Dade County, Florida.

Miami-Dade County Department of Public Works Right-of-Way Division Section Sheet Map of Section 30, Township 54 South, Range 40 East.

LIMITATIONS:

Since no other information were furnished other than that is cited in the Sources of Data, the Client is hereby advised that there may be legal restrictions on the Subject Property that are not shown on the Survey Map that may be found in the Survey Department of the City of Miami, Florida.

The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual who may appear of Public Records of this County.

No excavation or determination was made as to how the Subject Property is served by utilities.

No improvements were located, other than those shown. No underground foundations, improvements and/or utilities were located or shown hereon.

PURPOSE OF SURVEY:

The purpose of this survey is for design.

CLIENT INFORMATION:

This Topographic Survey was prepared at the insistence of and certified to:

EAC Consulting Inc.

SURVEYOR'S CERTIFICATE:

I hereby certify: That this "Topographic Survey" and the Survey Map resulting therefrom was performed under my direction and is true and correct to the best of my knowledge and belief and further, that said "Topographic Survey" meets the intent of the applicable provisions of the "Minimum Technical Standards for Land Surveying in the State of Florida", pursuant to Rule 5J-17.051 through 5J-17.052 of the Florida Administrative Code and its implementing law, Chapter 472.027 of the Florida Statutes.

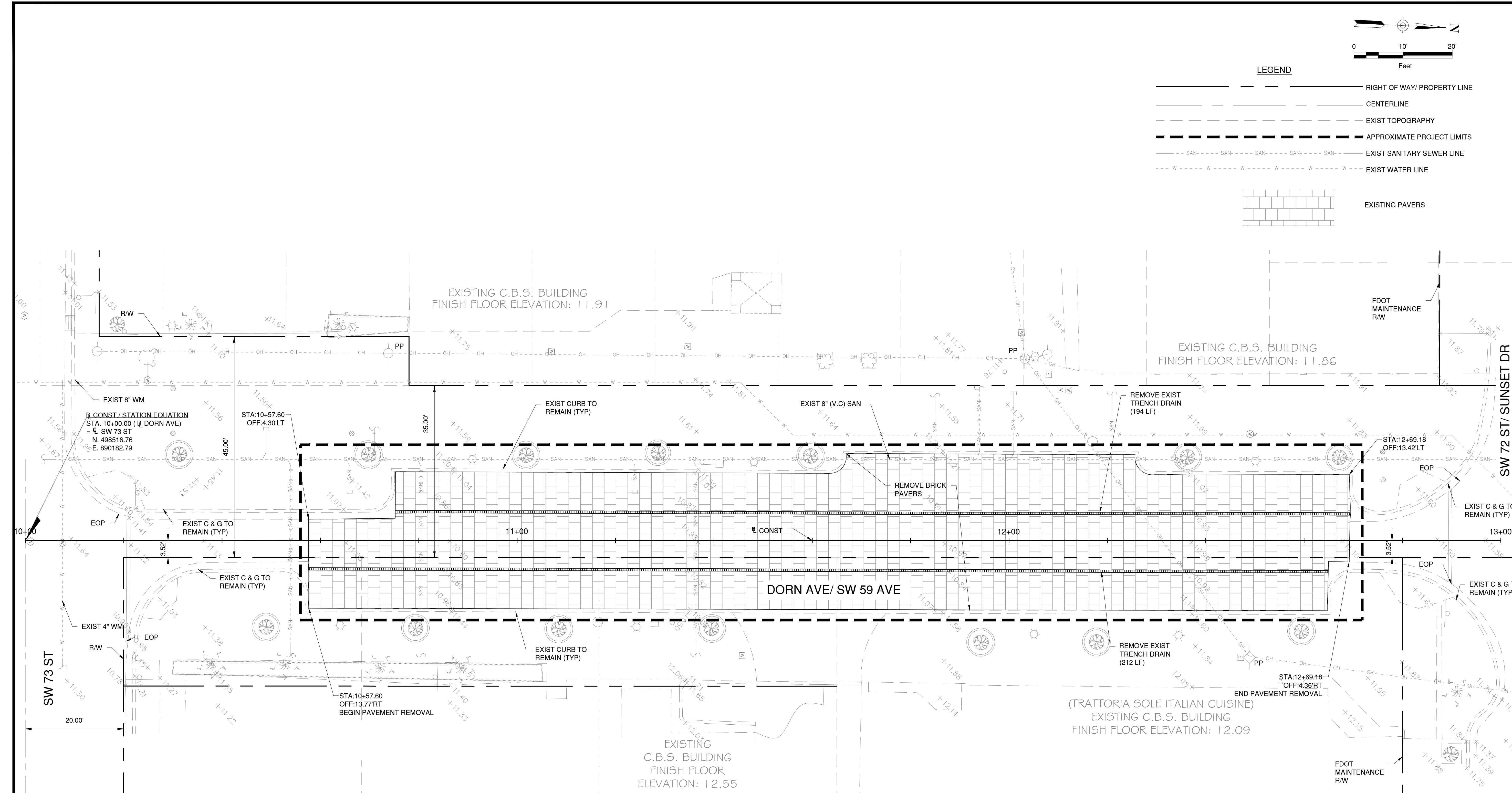
LONGITUDE SURVEYORS LLC., a Florida Corporation
Florida Certificate of Authorization Number LB7335

By:

Eduardo M. Suarez, PSM
Registered Surveyor and Mapper LS6313
State of Florida

NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

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DEMOLITION NOTES

- CONTRACTOR SHALL CONDUCT DEMOLITION WITHIN THE LIMITS ARE INDICATED ON THE CONSTRUCTION DRAWINGS.
- CONTRACTOR SHALL NOT DEMOLISH ANY ITEM OUTSIDE THE DEMOLITION LIMITS UNLESS OTHERWISE DIRECTED BY A/E, APPLICABLE JURISDICTIONS AND/OR THE OWNER.
- ALL ITEMS DESIGNATED TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE OR LOSS.
- ALL ITEMS TO BE REMOVED AND SALVAGED SHALL BE PROTECTED FROM DAMAGE & SHALL BE MOVED BY CONTRACTOR TO DESIGNATED STORAGE SITES AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY A/E AND/OR THE OWNER.
- CONTRACTOR SHALL CAREFULLY REMOVE AND STORE EXISTING BRICK PAVERS AFFECTED BY CONSTRUCTION. THEY SHALL BE REUSED FOR PAVEMENT RESTORATION. ANY BRICK PAVERS WHICH ARE DAMAGED OR NOT SUITABLE FOR REUSE SHALL BE DISPOSED OF.
- THE CONTRACTOR SHALL SCHEDULE AND MAINTAIN DEMOLITION OPERATIONS TO MINIMIZE ANY INCONVENIENCE TO PROJECT SITE'S ADJACENT WALKWAYS, SIDEWALKS AND ROADWAYS.
- CONTRACTOR MUST PHASE DEMOLITION OF WORK TO MINIMIZE DISRUPTION TO ADJACENT OWNER'S OPERATION.
- CONTRACTOR MUST ENSURE THAT DEMOLITION ACTIVITIES ARE UNDERTAKEN IN A MANNER THAT MINIMIZES IMPACTS TO SURROUNDING AREA OPERATIONS. DEMOLITION/SITE CLEARING MUST BE CARRIED OUT IN A MANNER THAT ELIMINATES INTRUSION ON ADJACENT PROPERTIES.
- NO UTILITY DEMOLITION OR REMOVALS SHALL BE UNDERTAKEN WITHOUT PRIOR COORDINATION & AUTHORIZATION FROM UTILITY OWNER. DEMOLITION & REMOVALS MUST BE UNDERTAKEN BY CERTIFIED, EXPERIENCED AND LICENSED CONTRACTOR.
- CONTRACTOR MUST OBTAIN ALL NECESSARY APPROVALS/PERMITS FOR DEMOLITION ACTIVITIES FROM APPLICABLE JURISDICTIONAL AGENCIES.
- CONTRACTOR SHALL CAP EXISTING DRAIN PIPE(S) FROM TRENCH DRAINS. FIELD VERIFY.



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CA # 7011

SUB-CONSULTANT:

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PROJECT:

DORN AVENUE
DRAINAGE
IMPROVEMENTS

LOCATION MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 6, 2013

DESIGNED BY: RD

DRAWN BY: ER

REVIEWED BY: ML

SEAL:

RODNEY C. DEVERA, P.E.

FL LICENSE No. 71384

DATE:

SHEET TITLE:

DEMOLITION PLAN

SHEET NO.

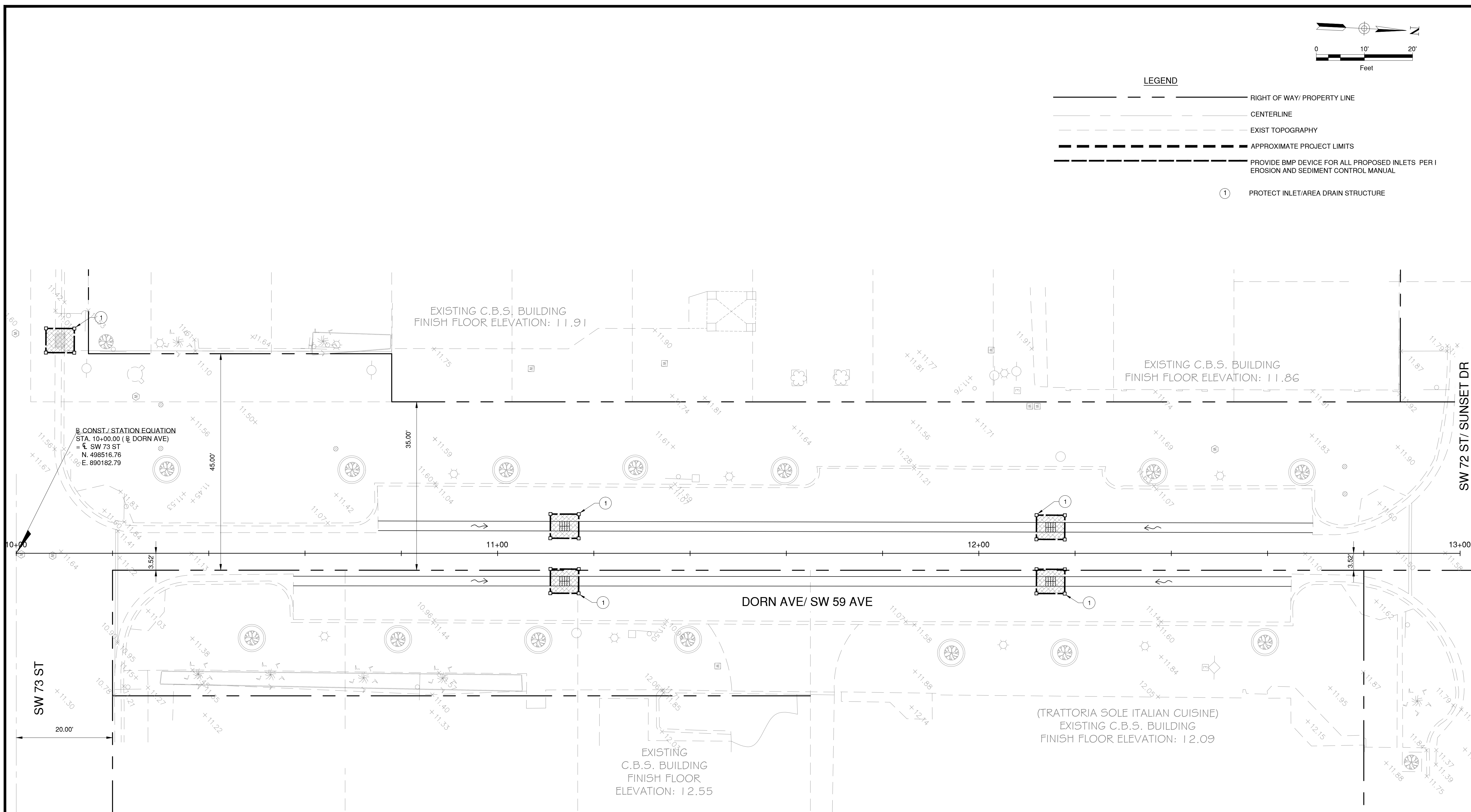
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SHEET 4 OF 8

100% CONSTRUCTION DOCUMENTS

DRAWING SCALE SHOWN CORRESPONDS TO PLOT SIZE OF 24"X36". IF THIS DRAWING IS PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

L:\Project\18Project\13021\SD01-01\cadd\SWPPP\18Project\13021\SWPPP.dwg (STORMWATER POLLUTION PREVENTION PLAN) Sep 05, 2013 5:46pm ERODRIGUEZ



- LEGEND**
- RIGHT OF WAY/ PROPERTY LINE
 - CENTERLINE
 - EXIST TOPOGRAPHY
 - APPROXIMATE PROJECT LIMITS
 - PROVIDE BMP DEVICE FOR ALL PROPOSED INLETS PER EROSION AND SEDIMENT CONTROL MANUAL
 - PROTECT INLET/AREA DRAIN STRUCTURE



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PROJECT:

**DORN AVENUE
DRAINAGE
IMPROVEMENTS**

LOCATION MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 6, 2013

DESIGNED BY: RD

DRAWN BY: ER

REVIEWED BY: ML

SEAL:

RODNEY C. DEVERA, P.E.
FL LICENSE No. 71384

DATE:

SHEET TITLE:

**STORMWATER
POLLUTION
PREVENTION
PLAN**

SHEET NO.

C-3.0

SHEET 5 OF 8

100% CONSTRUCTION DOCUMENTS

DRAWING SCALE SHOWN CORRESPONDS TO PLOT SIZE OF 24"X36". IF THIS DRAWING IS PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

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STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL

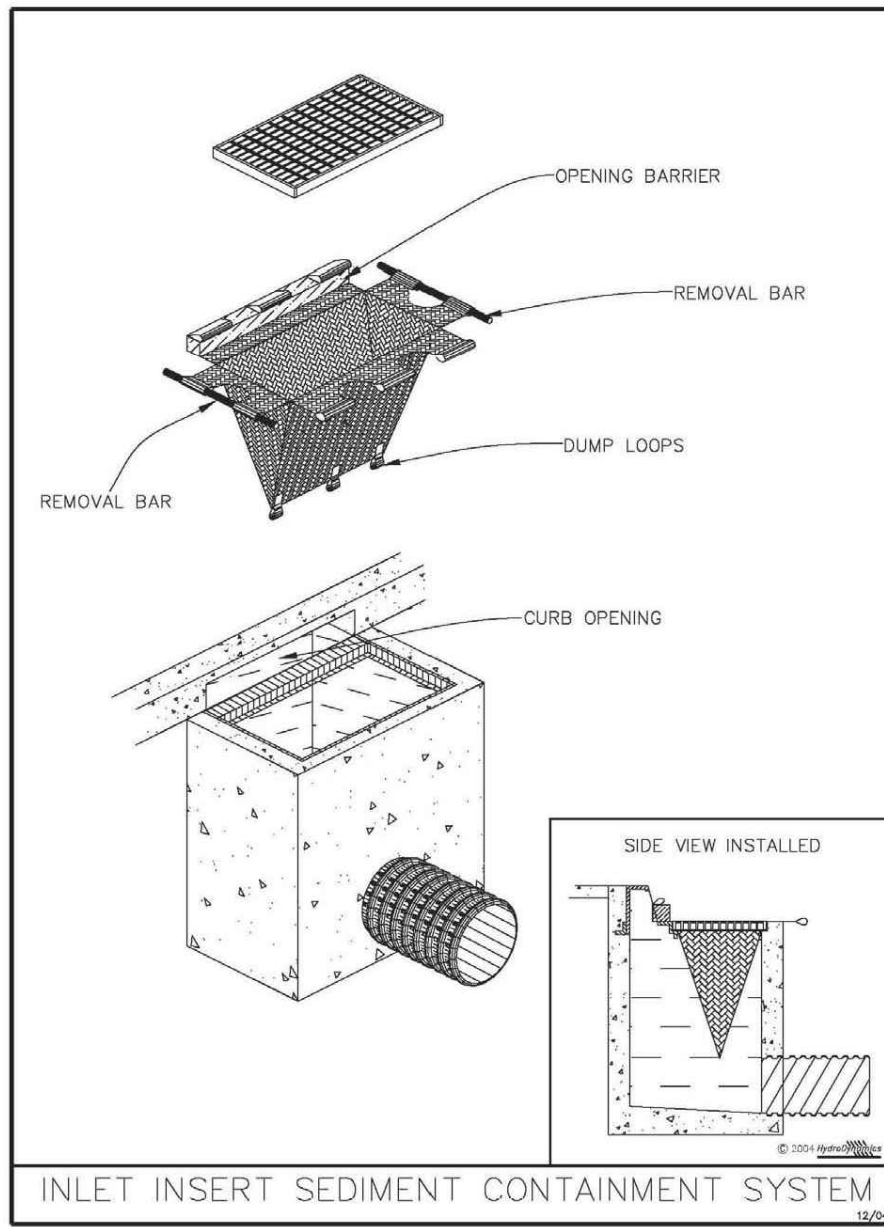


Figure V-51: Illustration of an Inlet Insert Sediment Containment System

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V-29

STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL

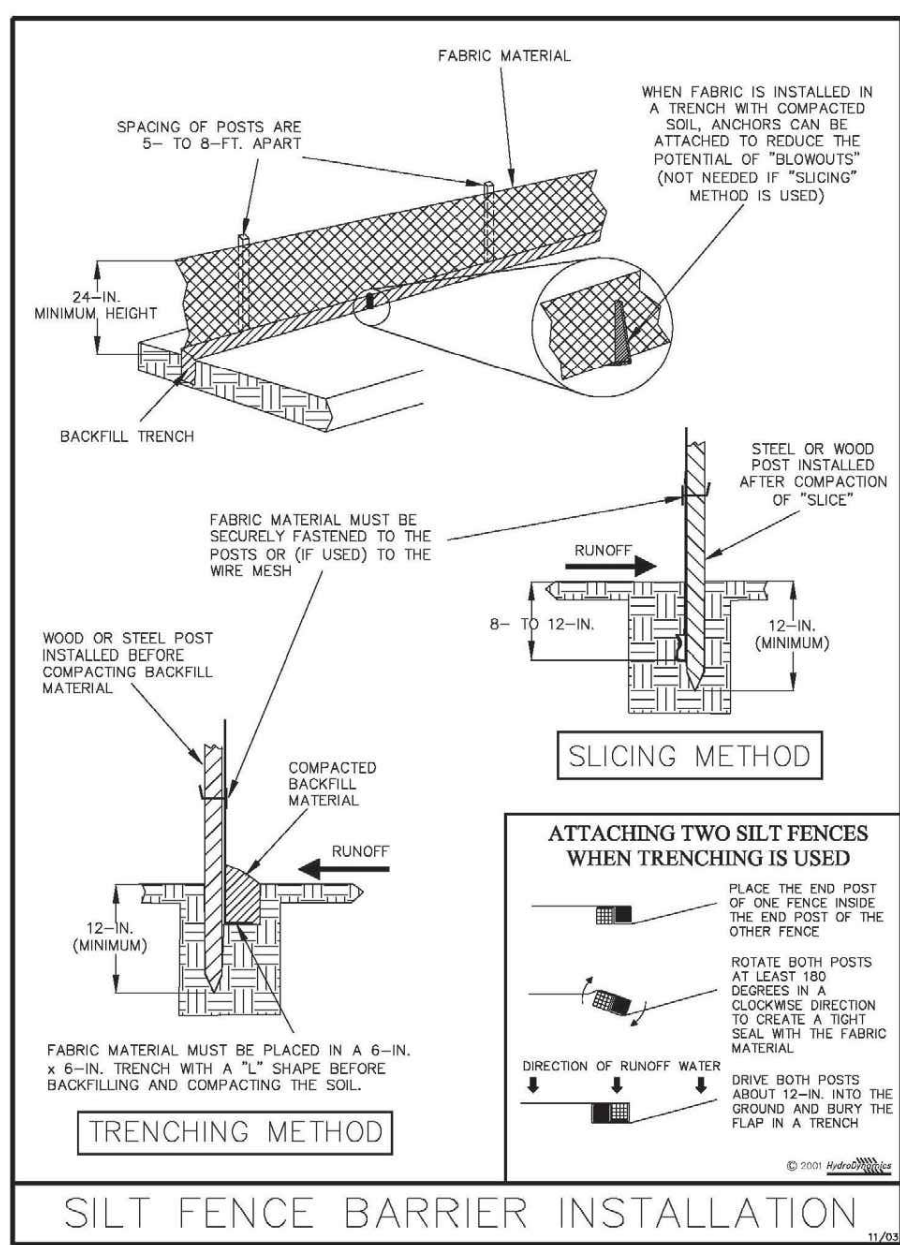


Figure V-40: Illustration of a Silt Fence Barrier

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V-7

STORM WATER POLLUTION PREVENTION PLAN NOTES

- PERMANENT OR TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICE. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF TEMPORARY EROSION & SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT, THE INITIAL WORK AREA, & OTHER AFFECTED AREAS TO PREVENT STORM WATER POLLUTION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE & REPAIRS OF EROSION & SEDIMENT CONTROL/SWPPP DEVICES PER THE FDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION). THE MAINTENANCE OF THESE DEVICES WILL OCCUR UNTIL THE OWNER'S REPRESENTATIVE HAD DEEMED AN AREA PERMANENTLY STABILIZED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL TEMPORARY EROSION AFTER COMPLETION OF THE PROJECT.
- CONFORMANCE WITH SWPPP DOES NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITIES TO PROTECT ADJACENT PROPERTIES, FEATURES & NATURAL ENVIRONMENT FROM THE POSSIBLE DAMAGE IMPACT THAT MAY ARISE AS A RESULT OF THE CONSTRUCTION LIMITED TO CONSTRUCTING SUCH FACILITIES & ANY OTHER MEASURES THAT ARE NECESSARY TO PREVENT CONTROL & ABATE WATER , & EROSION DAMAGE TO PUBLIC & PRIVATE PROPERTY AS A RESULT TO THE CONSTRUCTION OF THIS PROJECT
- EROSION & SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THE INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.
- CONTRACTOR MUST VERIFY THAT ALL DRAINAGE STRUCTURES, WITHIN THE PROJECT LIMITS WHETHER INDICATED ON THE PLANS OR NOT, SHALL BE PROTECTED IN ACCORDANCE WITH THE ESTABLISHED METHODS AS NOTED ABOVE.
- DUST, RESULTING FROM PROPOSED DEMOLITION ACTIVITIES, MUST BE PREVENTED FROM INTRUSION INTO THE STORMWATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES (WATER OR SLURRY) MUST BE RETAINED ON SITE. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENTS MUST NOT BE UTILIZED.
- INSTALL PERIMETER POLLUTION PREVENTION CONTROLS AFTER CLEARING & GRUBBING BUT BEFORE BEGINNING OTHER CONSTRUCTION PHASES. REMOVE PERIMETER CONTROLS ONLY AFTER ALL AREAS HAVE BEEN STABILIZED.
- THE EXISTING DRAINAGE FLOW PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MONITOR ALL POLLUTION CONTROL DEVICES TO ENSURE SUFFICIENT CONVEYANCE OF STORMWATER RUNOFF & TO ELIMINATE SOIL EROSION DURING CONSTRUCTION.
- CONTRACTOR SHALL COVER LOADED TRUCKS WITH TARPULAINS.
- CONTRACTOR SHALL REMOVE EXCESS DIRT FROM ROADS DAILY.
- BUILT UP SEDIMENT WILL BE REMOVED FROM THE STAKED SILT FENCE WHEN IT REACHES ONE-THIRD OF THE FENCE BARRIER OR WHENEVER FLOW IS IMPEDED.
- A QUALIFIED PERSON SHALL INSPECT POLLUTION CONTROL DEVICES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS & WITHIN 24 HOURS OF THE END OF A STORM. THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL & MAINTAIN RAIN GAGES & RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO VERIFY THAT CONTROLS INSTALLED IN THE FIELD COMPLY WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
- WITHIN 24 HOURS OF INSPECTION, THE CONTRACTOR SHALL INITIATE REPAIRS TO THE CONTROL DEVICES THAT THE INSPECTION INDICATES ARE NOT IN GOOD ORDER.
- SOIL TRACKING PREVENTION DEVICES (STPD'S) ARE REQUIRED. STPD'S SHALL BE CONSTRUCTED AT POINTS WHERE TRAFFIC LEAVES OR ENTER DISTURBED AREAS SUCH AS WORK ZONES STOCKPILE AREAS. CONSTRUCT A STPD PRIOR TO THE ASSOCIATED AREA BEING DISTURBED. CONSTRUCT STPD IN ACCORDANCE WITH FDOT EROSION & SEDIMENT CONTROL MANUAL.
- AT NO TIME SHOULD SEDIMENTS BE ALLOWED TO ACCUMULATE WITHIN DRAINAGE STRUCTURE & CONVEYANCE PIPELINES. STRUCTURES & PIPELINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL MUST BE PROTECTED AGAINST ACCIDENTAL TRANSPORTATION FROM PROJECT SITE BY WIND & WATER FLOW.
- ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT WATER CANNOT GAIN ENTRY INTO THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHER WISE TREATED TO REMOVE SEDIMENTS.
- MODIFICATIONS OR CHANGES TO THE INFORMATION DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN MUST BE SUBMITTED TO THE EOR/JURISDICTIONS FOR APPROVAL.
- IF ADDITIONAL EROSION & SEDIMENT CONTROL BMP'S ARE REQUESTED BY ANY REGULATORY AGENCY, THE CONTRACTOR MUST PROMPTLY IMPLEMENT SAID MEASURES AFTER APPROVAL OF EOR/JURISDICTIONS.
- THE INSTALLATION OF EROSION & SEDIMENT CONTROL PRACTICES SHALL TAKE PRECEDENCE OVER CONSTRUCTION ACTIVITIES.
- ALL APPLICABLE PERMITS RELATING THE INSTALLATION OF THESE MEASURES MUST BE SECURED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.



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SUB-CONSULTANT:

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PROJECT:

DORN AVENUE DRAINAGE IMPROVEMENTS

LOCATION MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 6, 2013

DESIGNED BY: RD

DRAWN BY: ER

REVIEWED BY: ML

SEAL:

RODNEY C. DEVERA, P.E.
FL LICENSE No. 71384
DATE: _____

SHEET TITLE:

SWPP NOTES & DETAILS

SHEET NO.

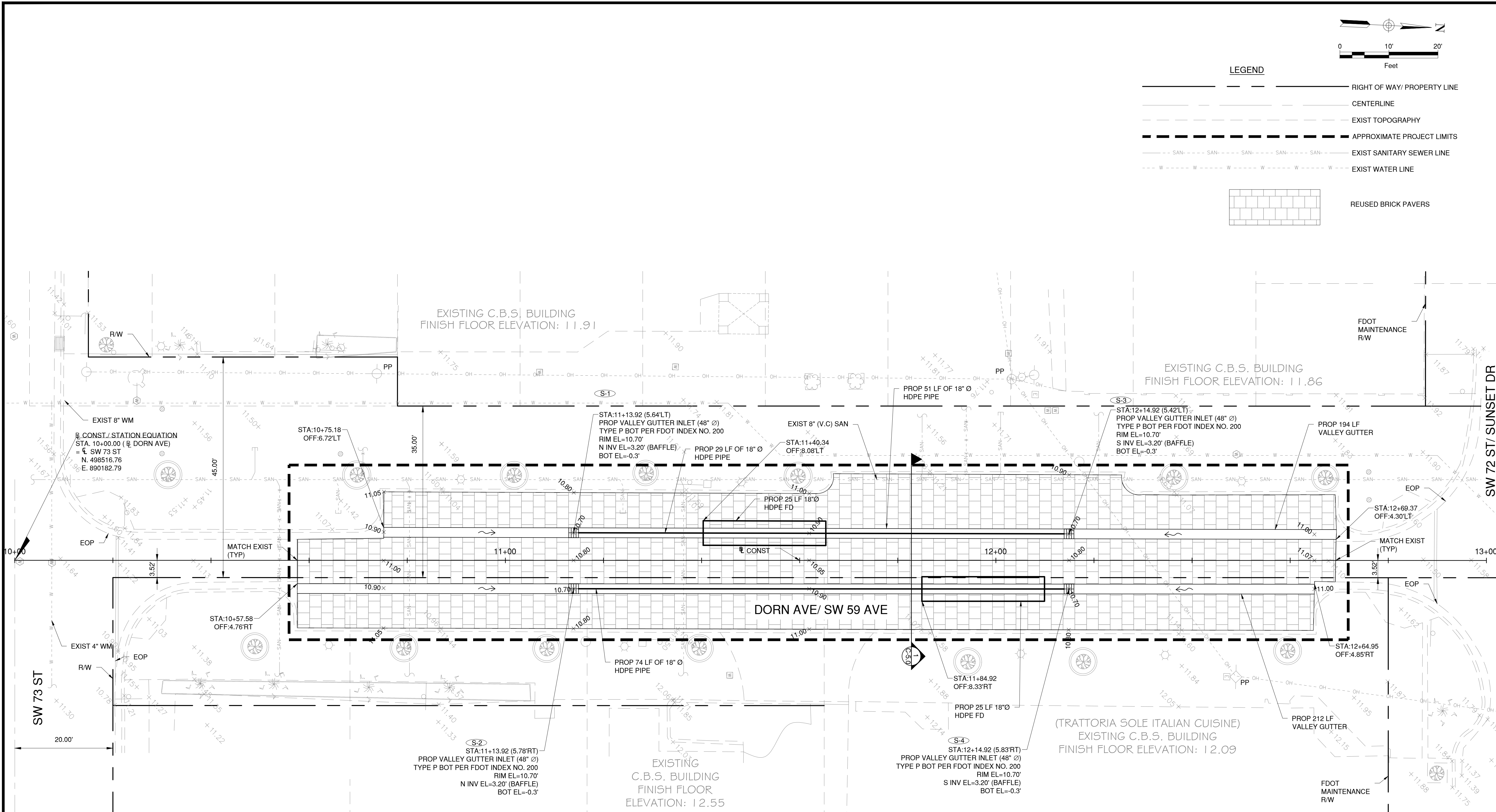
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SHEET 6 OF 8

100% CONSTRUCTION DOCUMENTS

DRAWING SCALE SHOWN CORRESPONDS TO PLOT SIZE OF 24"X36". IF THIS DRAWING IS PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

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GRADING NOTES

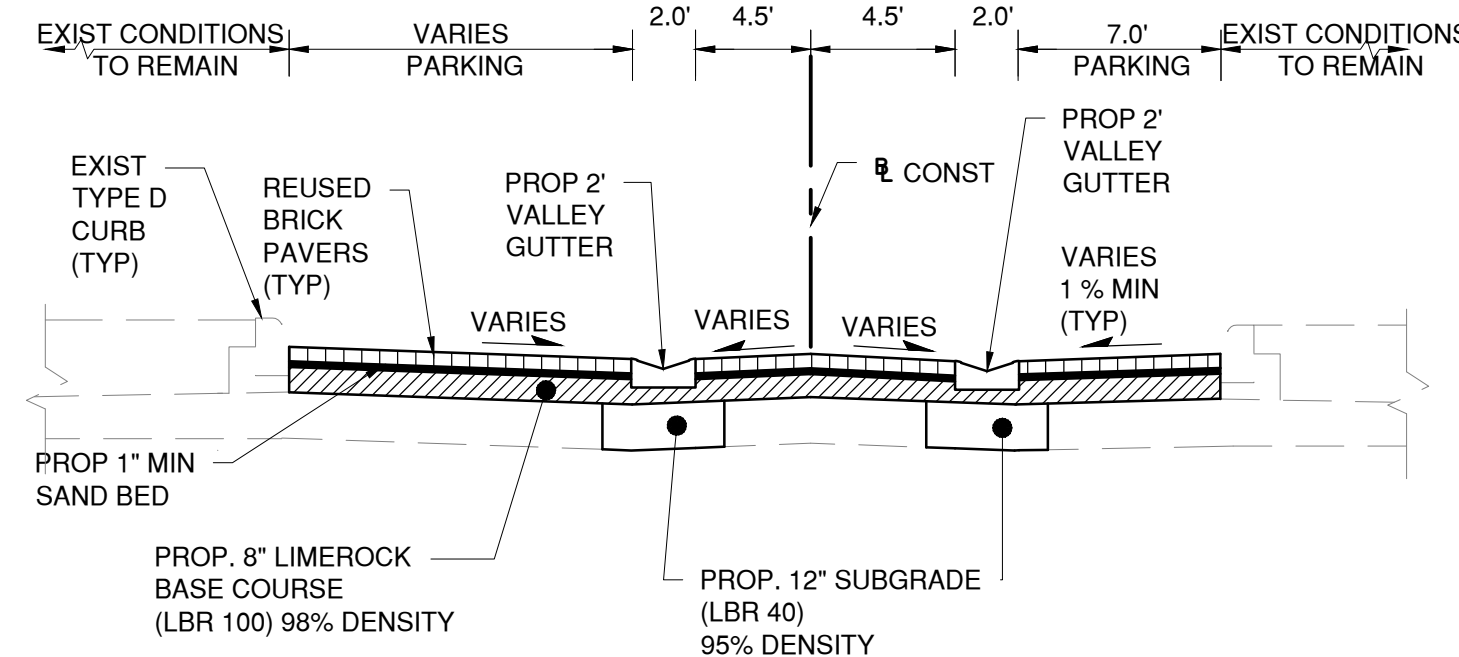
1. OSHA TRENCH SAFETY COMPLIANCE - THE CONTRACTOR SHALL UTILIZE TRENCH BOXES OR OTHER APPROVED MEANS TO COMPLY WITH THE FLORIDA TRENCH SAFETY ACT, THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARDS.
2. EXCESS EXCAVATED MATERIAL - EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE AND AUTHORIZED BY JURISDICTIONAL AUTHORITIES. CONTRACTOR MUST COMPLY WITH APPLICABLE SECTIONS OF TECHNICAL SPECIFICATIONS.
3. CONSTRUCTION DEBRIS SHALL NOT BE BURIED OR LEFT ON SITE DURING OR AFTER CONSTRUCTION. ADVERSE IMPACTS TO PROPOSED WORK OR ALREADY CONSTRUCTED WORK BY DEBRIS MUST BE AVOIDED.
4. AREAS THAT DON'T HAVE A DEFINED DRAINAGE COLLECTION SYSTEM SHALL BE GRADED TO ENSURE POSITIVE DRAINAGE TOWARD INLETS.

PAVING NOTES

1. UNLESS OTHERWISE INDICATED, ONLY ROADWAY LANE AND ON-STREET PARKING AFFECTED BY ACTUAL CONSTRUCTION OR DAMAGED BY CONSTRUCTION EQUIPMENT SHALL BE RESTORED WITH BRICK PAVERS. AREAS BEYOND THE EDGES OF PAVEMENT DAMAGED BY CONSTRUCTION EQUIPMENT OR BY THE IMPROPER OPERATION OF CONSTRUCTION EQUIPMENT SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. ALL RESTORATION SHALL COMPLY WITH THE STANDARDS AND REQUIREMENTS OF AGENCIES HAVING JURISDICTION.
2. ALL ELEVATIONS SHOWN REFER TO GROUND LEVEL LOCATIONS ON BRICK PAVERS AND VALLEY GUTTER.
3. COMPACTION REQUIREMENTS SPECIFIED BY PROJECT'S TECHNICAL SPECIFICATIONS SHALL BE ADHERED TO.

DRAINAGE NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS AND TO VERIFY ALL ELEVATIONS BEFORE STARTING CONSTRUCTION.
2. EXCESS EXCAVATED MATERIAL - EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE AND AUTHORIZED BY JURISDICTIONAL AUTHORITIES.
3. DRAINAGE STRUCTURES LOCATION AND ELEVATION TO BE VERIFIED BY THE ENGINEER IN THE FIELD.
4. PROPOSED RIM ELEVATIONS FOR DRAINAGE STRUCTURES REFER TO RIM ELEVATION AT THE CENTER OF THE STRUCTURES.
5. SHOP DRAWINGS: COMPLY WITH PROJECT GENERAL CONDITIONS AND APPLICABLE TECHNICAL SPECIFICATIONS.
6. ALL CATCH BASINS, MANHOLES, INLET STRUCTURES MUST BE PROVIDED WITH HINGED COVERS AND GRATES WHERE APPLICABLE.
7. ALL DRAINAGE STRUCTURES MUST BE DESIGNED TO WITHSTAND BUOYANCY FORCE DUE TO THE WATER TABLE. FOR DESIGN PURPOSES, WATER TABLE ELEVATION SHALL BE TAKEN AS 3.0 FT NGVD. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR ALL STRUCTURES FOR REVIEW.
8. ALL DRAINAGE PIPE SHALL BE HDPE SMOOTH INTERIOR WALL WITH A MANNING'S "N" EQUAL TO 0.01-0.012 UNLESS OTHERWISE NOTED.



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N.T.S.



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CA # 7011

SUB-CONSULTANT:

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PROJECT:

DORN AVENUE DRAINAGE IMPROVEMENTS

LOCATION MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 6, 2013

DESIGNED BY: RD

DRAWN BY: ER

REVIEWED BY: ML

SEAL:

RODNEY C. DEVERA, P.E.
FL LICENSE No. 71384

DATE:

SHEET TITLE:

PAVING, GRADING & DRAINAGE PLAN

SHEET NO.

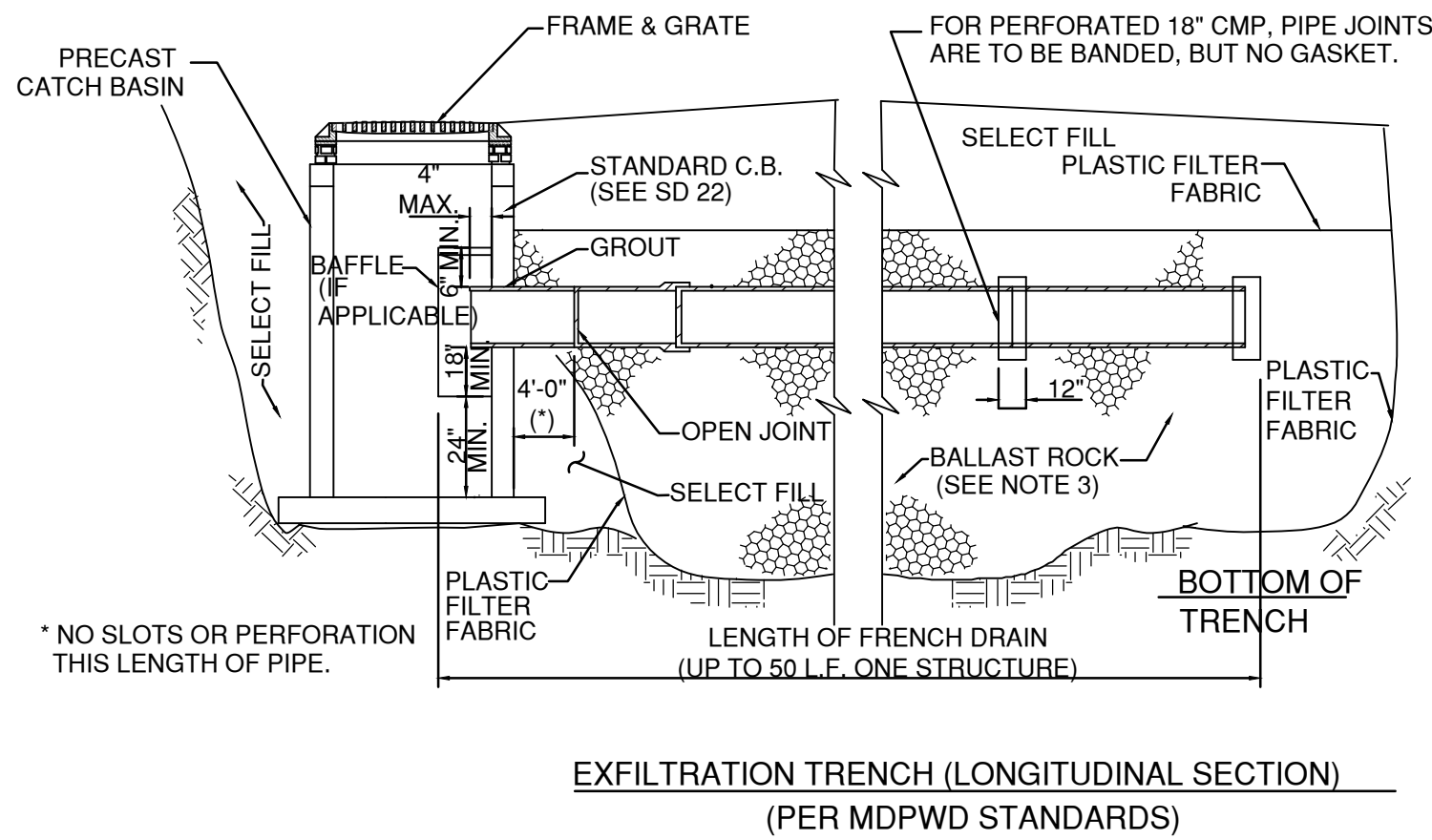
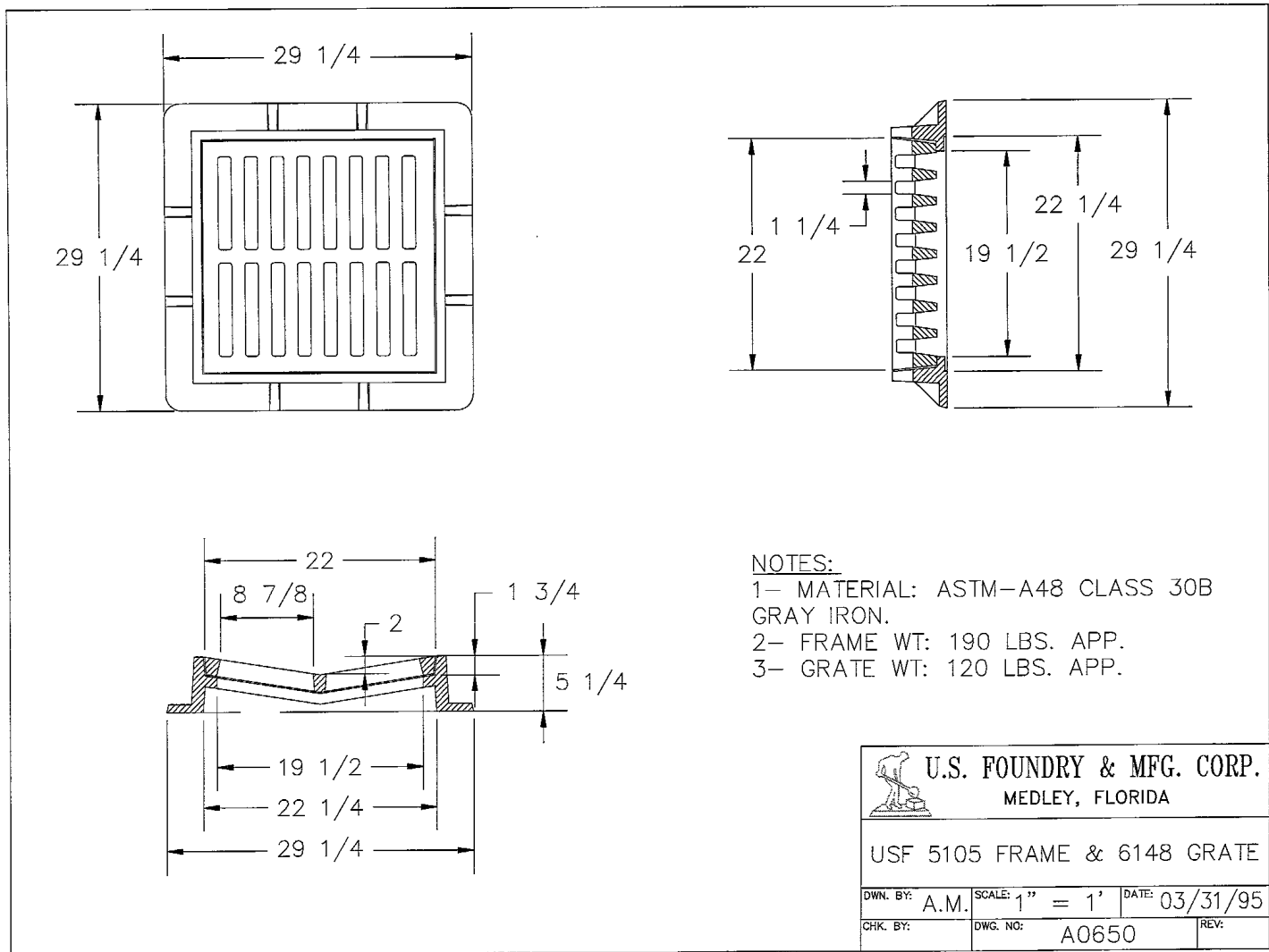
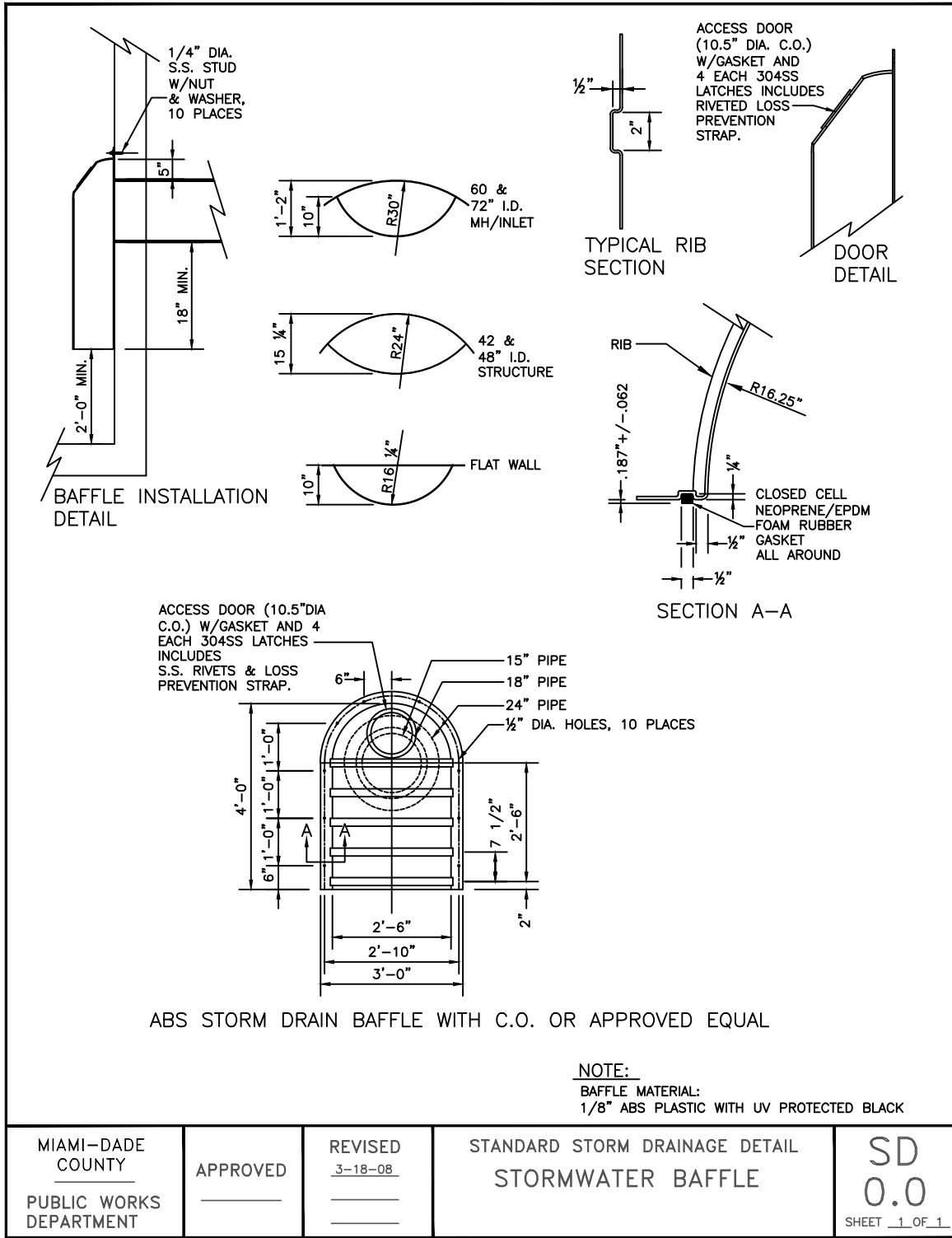
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SHEET 7 OF 8

100% CONSTRUCTION DOCUMENTS

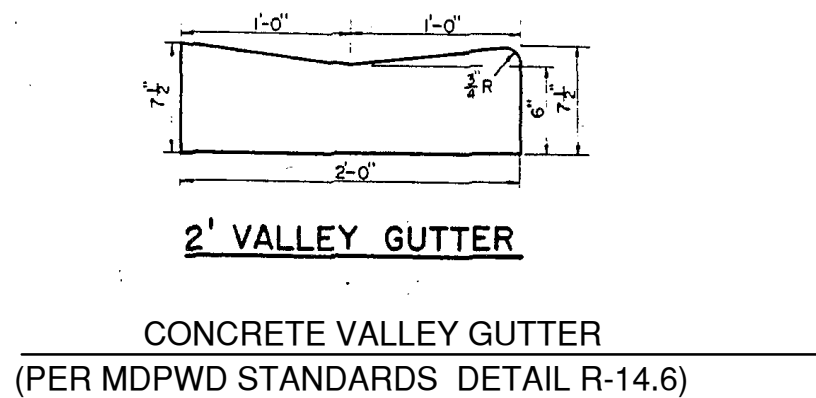
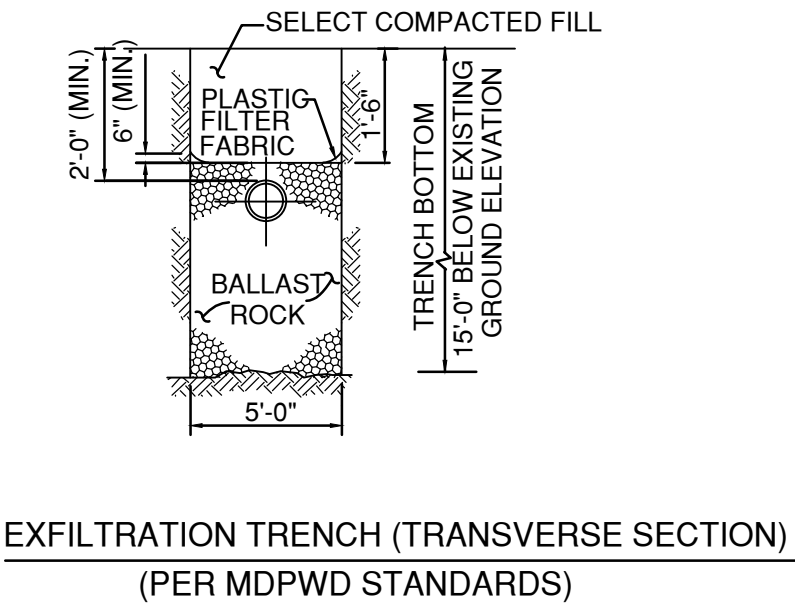
DRAWING SCALE SHOWN CORRESPONDS TO PLOT SIZE OF 24"X36". IF THIS DRAWING IS PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

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NOTES:

1. PLASTIC FILTER FABRIC (AT EA. SIDE) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0\" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS
4. INVERT ELEVATION TO BE AS SHOWN IN THE PLANS.



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PROJECT:

DORN AVENUE
DRAINAGE
IMPROVEMENTS

LOCATION MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 6, 2013

DESIGNED BY: RD

DRAWN BY: ER

REVIEWED BY: ML

SEAL:

RODNEY C. DEVERA, P.E.
FL LICENSE No. 71384

DATE:

SHEET TITLE:

PAVING, GRADING
& DRAINAGE
DETAILS

SHEET NO.

C-6.0

SHEET 8 OF 8

100% CONSTRUCTION DOCUMENTS

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